

In the Specification:

Please insert the following immediately after the Title of the
Invention:

CROSS-REFERENCE TO RELATED APPLICATIONS

This application is a National Stage Entry of
PCT/US02/21310, filed Aug. 1, 2002, which claims priority from
U.S. Provisional Application Serial No. 60/372,285, filed Apr.
12, 2002.

Please amend paragraph 0060 as follows:

[0060] According to one aspect of the present invention, as shown in FIGS. 4-15 and 17, there is provided a surgical reamer 10 for cutting a bone socket (not shown). The reamer has a cutting structure 12 rotatable about a longitudinal axis 14, with a domed shell portion 16 having an outer surface 18 presenting multiple cutting sites for teeth 20 and an inner surface 22 for accumulation of debris. Shell 16 has a static insertion profile area being defined by a first curved portion 24 but preferably a pair of curved portions 24, 24, generated about a first radius 30 with a center that lies on the axis 14 (FIG. 14). A second curved portion, preferably a pair of ~~first~~ second curved portions 26, 26 are generated about a center 28 (FIG. 14) that is spaced apart from the axis. The cutting structure 12 has a preferably circular dynamic profile area generated upon rotation. Both static insertion and dynamic profile areas lie transverse to the axis 14, with the static insertion profile area being smaller than the dynamic profile area.

Please amend paragraph 0064 as follows:

[0064] According to another aspect of the present invention illustrated in FIGS. 4-10 and 17, the shell 16 preferably defines a partially hemispherical domed 3-dimensional shape with an apex aligned with the axis 14. The shell 16 has a pair of first curved portions 24 that respectively define a pair of diametrically opposed base portions spaced from the apex. A mounting means preferably is an alignment structure 38 extending between the base portions and assembled ~~the~~ with a handle 40 such as that illustratively shown in FIG. 19, for controlled rotation of the reamer 10. The handle 40 more preferably has bayonet catches 41 for receiving the alignment structure 38, as will be further described by way of illustration relative to FIGS. 17-21. The alignment structure 38 may be a single bar 42 with a centering boss 44 (FIG. 27) that may further optionally include a central aperture 46.

Please amend paragraph 0066 as follows:

[0066] As depicted in FIG. 16, a shell 15 has an ~~the~~ alignment structure 38 with a bar 54 having a pair of opposed terminal ends 56 fixed at the base 58, including a cross-member 60 having a pair of opposed free ends 62 and being of a lesser length than the bar. The cross-member 60 intersects the bar at the axis 14 to define a cruciform shape for attaching the reamer 10 to a handle. (see preferred bayonet catch 41 on e.g., a handle 40 similar to that of FIG. 19), while allowing removal of debris adjacent the free ends of the cross-member.